

- E. Relax tension on the hoist
- F. Extend the landing gear dolly from the vehicle downward until the backbone beam is solidly held in place by force from the landing gear dolly and a reciprocal force from the ground engaging feet
- G. Use the crane beam assembly of Claim 5 with a lifting crane beam to load and unload freight onto and from the vehicle bed.

ABSTRACT

This invention deals with a multipurpose material-handling device. It is possible to quickly modify the backbone beam dolly to perform a variety of material-handling tasks.

In its most basic version the backbone beam dolly is equipped with a pair of non-swivel wheels forming a wheel assembly at one end and a pair of swivel wheels at the other end.

Four-wheel dollies can also be used to replace the wheel assemblies. A crane beam can be rigidly affixed to the backbone beam dolly. With the addition of the crane beam and outrigger it is possible to pick-up heavy loads safely and transport them over vast distances by manually towing the backbone beam dolly or towing it with a lightweight vehicle.

16 Claims, 18 Drawing Figures